

App. No. 10/711,262
Amendment dated December 8, 2005
Reply to Office action of September 8, 2005

Amendments to the Specification (other than claims):

Please delete the pending abstract of the disclosure in its entirety, and replace it with the following abstract:

ABSTRACT

A diamond-like carbon (DLC) film having refractive indices distributed in a pattern oriented within the plane of the film or on a bias with respect to the thickness of the film. Such films may be useful in low-cost Faraday rotators, in polarizers (analyzers), and in magnetic substances, and in Faraday rotators and optical isolators that can handle a plurality of wavelengths. The refractive index structure may be imparted to the DLC film, for example, by irradiating at least one region of the film with either a particle or energy beam.